



July 10, 2020

Reference No. 11208393-111

Mr. Robert Thompson
 Remedial Project Manager
 United States Environmental Protection Agency
 Region V
 77 West Jackson Boulevard
 Mail Code SR-6J
 Chicago, Illinois
 60604

Ms. Tamara McPeek
 Environmental Response and Revitalization
 Ohio Environmental Protection Agency
 Southwest District Office
 401 East Fifth Street
 Dayton, Ohio
 45402

Mr. Steve Renninger
 On-Scene Coordinator
 USEPA Region V
 Emergency Response Branch
 26 West Martin Luther King Drive
 Cincinnati, Ohio
 45268

Dear Mr. Thompson, Ms. McPeek, and Mr. Renninger:

**Re: Progress Report: June 1 through 30, 2020
 South Dayton Dump and Landfill Site, Moraine, Ohio (Site)**

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAOC) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. §§ 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-16-C-011) effective June 11, 2016 (RI/FS ASAOC), and the ASAOC for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the CERCLA, 42 U.S.C. §§ 9604, 9606(a), 9607, and 9622 USEPA Docket No. V-W-13-C-010, effective April 8, 2013 (Removal Action ASAOC), for the period of June 1 through 30, 2020.

The next Progress Report for the month of July 2020 will be submitted on or before August 10, 2020.



Significant Developments in this Reporting Period

RIFS ASAOC Developments

Activities conducted in June 2020 are summarized below:

- Drilling work (initiated in May 2020) continued for installation of new monitoring wells as proposed in Section 6 of the Site Characterization Technical Memorandum for the Groundwater Investigation, dated September 30, 2019 (SCTM groundwater report). The proposed locations are shown on Figure 6.1 (See Attachment 1) from the SCTM groundwater report.
- Hollow stem auger (HSA) drilling equipment (mobilized to the Site in May 2020 and demobilized on June 5, 2020) was used to complete installation of three upper aquifer monitoring wells including:
 - MW 248 on Miami Conservancy District property on June 2, 2020 (OS-2 on Figure 6.1)
 - MW-246 on Parcel 3056 on June 3, 2020 (N-1 on Figure 6.1)
 - MW-247 on Parcel 3056 on June 4, 2020 (OS-1 on Figure 6.1)
- Direct Push drilling equipment (mobilized to the Site in May 2020 and demobilized on June 10, 2020) was used to complete installation of one upper aquifer monitoring well including:
 - MW-243 on Parcel 3252 on June 4, 2020 (OS-4 on Figure 6.1)
- Direct Push drilling equipment (noted above) was used to complete installation of one soil gas (GP37-20) on Parcel 3207 on June 8, 2020. The new soil gas probe was installed adjacent to the Globe Equipment building as proposed in the GHD letter dated January 24, 2020. The proposed locations are shown on Figure 1 (See Attachment 2) from the GHD letter.
- All proposed monitoring well and soil gas probe installations were completed with the exception of one monitoring well within Parcel 3255 and one monitoring well and one soil gas probe within Parcel 2943. GHD has requested property access permission from the respective property owners.
- Monitoring well development (for seven new monitoring wells installed in May and June) was completed from June 11 to June 17.
- On June 9, 2020, GHD submitted the Floodplain Soil Investigation-Sampling Results summary letter for agency review.
- On June 12, 2020, GHD provided USEPA with a draft timeline of current and upcoming events for planning purposes as requested.
- On June 23, 2020, GHD collected investigative derived waste (IDW) samples from the on-site Frac tank and submitted for laboratory analyses in preparation for off-Site waste disposal.
- GHD received a letter from USEPA dated June 23, 2020 which provides agency comments on the Site Characterization Technical Memorandum for the Quarry Pond Investigation, dated March 18, 2020 (SCTM Quarry Pond report).



Removal Action ASAOC Developments

Activities conducted in June 2020 are summarized below:

- On June 29, 2020, GHD completed quarterly sub-slab depressurization system (SSDS) inspections at buildings with an operating system, including Buildings 8 and 9 – B&G Equipment and Truck Repair, Building 12 – Overstreet Painting and S&J Precision, Building 14 – NexGen Vending, Building 15 – SIM Trainer, Building 17 – D. Dickinson Construction (formerly Megacity Construction), and Building 24 – Globe Manufacturing. All systems were functioning normally with the following exceptions:
 - Building 8 EP-2 circuit breaker was tripped. GHD reset the breaker.
 - Building 9 EP-2 blower unit was not operating and was replaced.
- On June 29, 2020, GHD collected sub-slab vacuum readings at Building 24 – Globe Manufacturing. GHD determined that the vacuum readings at all sub-slab monitoring points were within the acceptable range. Measurements could not be recorded at four locations which were inaccessible due to equipment storage. Building 24 sub-slab vacuum readings are presented in Table 1.
- GHD received the analytical results for the additional proficiency sampling event completed at Building 24 – Globe Manufacturing in May 2020 and conducted laboratory data validation. The May sampling event included collection of two IA samples (IA-24-B and IA-24-D), two co-located SS samples (SS-24-B and SS-24-D), and one outdoor ambient air sample.
- The analytical results for samples collected from January 2012 through May 2020 for Building 24 are provided in Table 2 (with highlighting for the 2020 sample results). The sample locations and analytical results are illustrated on the attached Figure 1. The results from the May 2020 sampling event are summarized as follows:
 - There were no exceedances of ODH screening levels in samples collected from indoor and sub-slab sample locations, which is generally consistent with past results.
 - PCE was detected in one of the May 2020 indoor air samples (IA-24-D) at an estimated concentration of 0.051 parts per billion by volume (ppbv) and was not detected in the other indoor air sample (IA-24-B). These results are significantly less than the ODH indoor air screening level for PCE (25 ppbv) and the February 2020 results. Therefore the ODH screening level exceedances for PCE identified in the February 2020 samples are not confirmed by the May 2020 sample results.
 - PCE was detected in samples collected from both May 2020 SS locations including SS-24-B (1.9 ppbv), SS-24-B duplicate (1.8 ppbv), and SS-24-D (5.6 ppbv). These detected concentrations are significantly less than the ODH SS screening level (250 ppbv).



- The PCE concentrations expressed in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) for May 2020 SS samples are 13 $\mu\text{g}/\text{m}^3$ (SS-24-B), 12 $\mu\text{g}/\text{m}^3$ (SS-24-B duplicate), and 38 $\mu\text{g}/\text{m}^3$ (SS-24-D). These detected concentrations are significantly less than the EPA VISL¹ (584 $\mu\text{g}/\text{m}^3$).

In summary, the May 2020 results outlined indicate that the SSDS is effectively mitigating potential vapor intrusion at Building 24. The PCE indoor air detections in February 2020 were not confirmed.

Summaries of all Anticipated Problems and Planned Resolutions

No difficulties/delays were encountered during this reporting period. However, the COVID-19 pandemic and requirements for physical/social distancing, isolation, and quarantine could cause future temporary or long-term equipment, supply and/or personnel availability issues that could affect the project schedule. Federal, state and local orders, as well as guidance from the Centers for Disease Control and Prevention, will be reviewed and followed before any field work or in-person meetings are conducted. We will keep USEPA informed of any potential issues as the COVID-19 pandemic continues to develop and change.

Projected Work for the Next Reporting Period

- GHD will continue planning and scheduling RI/FS activities in accordance with the approved work plan. The planned activities include:
 - Continue negotiations with property owners in order to complete field activities related to monitoring well installation and soil gas probe installation.
 - Review USEPA comments dated March 31 (related to the groundwater investigation), April 4 (related to soil/fill and soil gas investigation), and June 23, 2020 (related to the Quarry Pond investigation).
 - Prepare the Ecological Effects Evaluation Proposal (EEEP).
- The Respondents and USEPA On-Scene Coordinator will continue to work together to implement the VI mitigation work plan. The planned activities include:
 - Review USEPA comments dated April 8 (related to indoor air and sub-slab soil gas results).
 - Conduct annual Vapor Intrusion (VI) proficiency sampling during the week of July 13 at the following locations: Buildings 8 and 9 – B&G Equipment and Truck Repair; Building 12 – Overstreet Painting and S&J Precision; Building 14 – NexGen Vending; and Building 15 – SIM Trainer. Annual methane monitoring is also required for Building 15. GHD will record of sub-slab vacuum readings prior to commencing the VI sampling.

¹ EPA vapor intrusion screening level based on commercial use default settings, target risk = 1E-06 and target hazard quotient = 0.1



Should you have any questions on the above, please do not hesitate to contact us.

Sincerely,

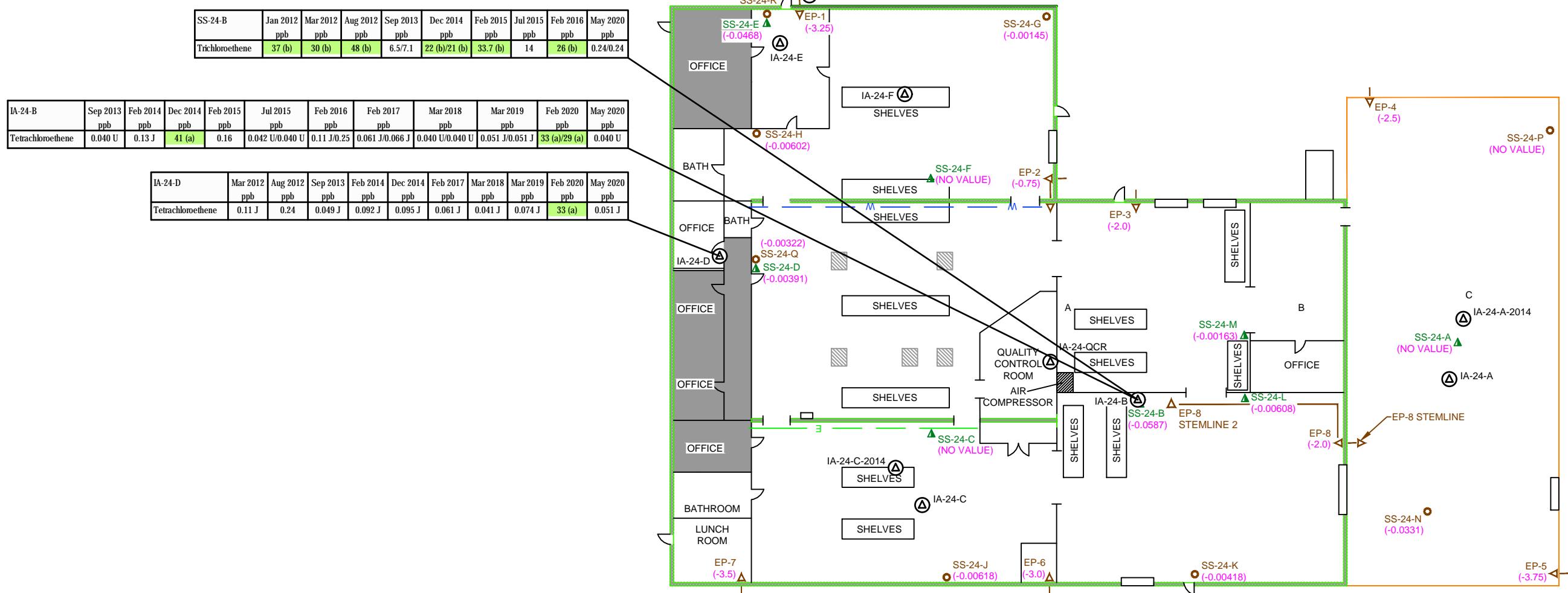
GHD

A handwritten signature in blue ink that reads "Julian Hayward".

Julian Hayward

JH/kf/1

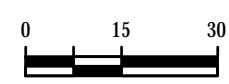
cc: (all by pdf) Scott Glum, Ohio EPA
Ken Brown, ITW
Bryan Heath, NCR
Wendell Barner, Barner Consulting
Jim Campbell, EMI
Andrew Dorn, ITW
Scott Blackhurst, Kelsey Hayes Company
Michael Hughes, Neal, Gerber & Eisenberg
Wray Blattner, Thompson Hine
Larry Silver, Langsam Stevens Silver & Hollaender
Tim Hoffman, Dinsmore & Shohl
Brooke Harris, Jacobs
Valerie Chan, GHD



LEGEND

- ▲ SUCTION POINT LOCATION
- PIPING AND FAN LOCATION
- COMPLIANCE POINT LOCATION
- BH19-13 ■ BOREHOLE LOCATION
- ████ CONCRETE BLOCK
- SHEET METAL
- INTERIOR WALL
- WATER LINE
- ELECTRICAL LINE
- ████ CARPET
- ▷ DOOR
- SS-24-A ▲ EXISTING SOIL VAPOR PROBE LOCATION
- IA-24-A (Ⓐ) EXISTING INDOOR AIR LOCATION
- EXCEEDS SPECIFIED SCREENING LEVEL
- (-0.0166) VACUUM READING MEASURED ON JUNE 29, 2020 IN INCHES OF WATER COLUMN (" w.c.)

Chemical	ODH Non-Residential Screening Levels		USEPA Regional Screening Levels (THQ = 0.1)	
	Indoor Air (a) (ppb)	Sub-Slab (b) (ppb)	MCL (c) ($\mu\text{g}/\text{L}$)	Protection of Industrial Indoor Air (d) ($\mu\text{g}/\text{L}$)
Tetrachloroethene	25	250	5	24.87
Trichloroethene	2	20	5	2.19



SOUTH DAYTON DUMP AND LANDFILL SITE
2215 EAST RIVER ROAD, MORaine, OHIO

Project No. 11208393
Date July 2020



PARCEL NUMBER 3207, BUILDING 24

FIGURE 1

Table 1

Sub-slab Depressurization System Vacuum Summary - Building 24
South Dayton Dump and Landfill
Moraine, Ohio

Location	7/23/2013	8/5/2013	8/21/2013	9/12/2013	12/4/2014	2/20/2015	7/13/2015	2/11/2016	4/14/2016	12/29/2016	2/7/2017	3/20/2017	6/13/2017	
Sub-Slab Probe Locations	SS-24-A	-	-	-	0.1067	-0.0841	-	-0.104	-0.0756	-	-0.0557	-0.0576	-0.0570	-0.0662
	SS-24-B	-	-	-0.00092	0.00082	-0.00068	0.00109	-0.00017	-	-	-0.0477	-	-0.0476	-0.0510
	SS-24-C	-	-	-0.00007	0.00002	-0.00052	-	-0.0001	-0.00049	0.00007	-0.00029	0.00033	-0.00003	-0.00058
	SS-24-D	-	-	-0.00448	0.0019	-0.00498	0.00962	-0.00767	0.00753	0.00147	0.00137	-0.00483	0.00508	-0.01058
	SS-24-E	-0.027	-0.033	-0.0383	0.0449	-0.0167	-0.00874	-0.036	-0.01385	-0.0276	-0.0293	-0.038	-0.0274	-0.0437
	SS-24-F	-	-	-0.0356	0.0384	-0.0279	-0.0185	-0.0445	-0.0293	-0.029	-0.0355	-	-0.0293	-0.0434
	SS-24-G	0.0000	0.0000	-0.00123	0.00202	-0.00245	0.00694	-0.00301	0.00378	0.0015	0.00056	-0.0051	0.00128	-0.00164
	SS-24-H	0.0000	0.0000	-0.0042	-	-0.00854	0.01468	-0.00877	0.00949	0.00574	0.00287	-0.0407	0.00120	-0.00854
	SS-24-I (does not exist)	0.0000	0.0000	-	-	-	-	-	-	-	-	-	-	-
	SS-24-J (by EP-6)	0.0000	0.0000	-0.00202	0.0011	-0.00757	0.01304	-0.0028	0.00956	-	0.00332	-0.00824	0.00434	-0.00503
	SS-24-K	0.0000	0.0000	-0.00067	0.00194	-0.00805	0.0235	0.01133	0.0156	0.00711	0.00564	-0.01100	0.00868	-0.00530
	SS-24-L	0.0000	0.0000	-	-	-0.00115	-	-0.00023	0.00084	-0.00378	-	-0.00709	-0.00438	-0.00554
	SS-24-M	0.0000	0.0000	-	0.00181	-0.00048	0.00293	0.00108	0.0022	0.00058	-0.00227	-0.00897	-0.00085	-0.00064
	SS-24-N	-0.021	-0.028	-0.0345	0.0335	-0.0354	-0.0211	-0.0349	-0.0308	-0.0231	-0.0235	-0.0686	-0.0261	-0.0303
	SS-24-O (does not exist)	0.0000	0.0000	-	-	-	-	-	-	-	-	-	-	-
	SS-24-P	0.0000	0.0000	-0.00085	0.0084	-	-	0.0057	0.00339	0.00035	-0.00112	-0.0720	-0.0139	-
	SS-24-Q	-	-	-	-	-0.00345	0.01107	-0.0049	-	0.0021	-0.00120	-0.00483	0.00527	-0.01001
	SS-24-R	-	-	-	-	-0.0201	-0.01267	-0.0372	-	-0.0303	-0.0312	-0.0295	-0.0330	-0.0458
Extraction Points	EP-1	-	-	-3.75	-	-	-3.75	-3.50	-3.75	-3.50	-3.50	-3.50	-3.50	-3.50
	EP-2	-	-	-0.75	-	-0.50	-0.50	-0.75	-0.75	-0.50	-0.50	-0.75	-0.75	-0.75
	EP-2 Stemline	-	-	-	-	-	-	-	-	-	-	-	-	-
	EP-3	-	-	-2.00	-	-3.25	-1.25	-1.50	-1.50	-1.75	-1.75	-1.66	-1.50	-1.50
	EP-4	-	-	-4.00	-	-2.75	-	-2.75	-2.75	-2.75	-3.50	-2.75	-2.75	-2.50
	EP-5	-	-	-4.00	-	-4.00	-4.00	-3.75	-4.00	-4.00	-3.75	-3.66	-3.75	-3.50
	EP-6	-	-	-2.25	-	-2.00	-2.00	-2.25	-2.00	-2.25	-2.25	-2.25	-2.25	-2.25
	EP-7	-	-	-3.75	-	-4.00	-4.00	-3.75	-4.00	-4.00	-3.75	-3.75	-4.00	-3.75
	EP-8	-	-	-3.75	-	-	-3.50	-3.25	-	-2.00	-2.00	-2.00	-2.00	-2.0
EP-8 Stemline														
EP-8 Stemline 2														

Not available
 - Vacuum not measured
 Post-SSDS Installation
 0.0001 Vacuum reading greater than 0
 -0.0041 Vacuum reading less than -0.004
 -0.001 Vacuum readings between -0.004 and 0

Table 1

Sub-slab Depressurization System Vacuum Summary - Building 24
South Dayton Dump and Landfill
Moraine, Ohio

Location	9/27/2017	1/26/2018	3/20/2018	6/22/2018	7/9/2018	9/6/2018	12/19/2018	3/21/2019	6/18/2019	9/9/2019	12/19/2019	3/18/2020	5/26/2020	6/29/2020
Sub-Slab Probe Locations	SS-24-A	-	-		-0.0758		-0.0750						-0.0576	-0.0587
	SS-24-B	-	-0.0517		-0.0557		-0.0574							
	SS-24-C	0.00038	-0.00010		-0.00011		-0.00020						0.00014	-
	SS-24-D	0.00430	0.00252		-0.00091		-0.00221						-0.00363	-0.00391
	SS-24-E	-0.0229	-0.0216		-0.0402		-0.0372						-0.0429	-0.0468
	SS-24-F	-0.0197	-0.0269		-0.0455		-						-	-
	SS-24-G	0.0025	0.00160		-0.00163		-0.00076						-0.00105	-0.00145
	SS-24-H	-0.00483	0.00121		-		-0.00643						0.00031	-0.00602
	SS-24-I (does not exist)	-	-		-		-						-	-
	SS-24-J (by EP-6)	0.00915	0.00724		-0.00388		-0.00251						-0.00004	-0.00618
	SS-24-K	0.01409	0.01307		-0.00421		-0.00407						0.00914	-0.00418
	SS-24-L	-0.00378	-0.00375		-		-0.00584						-0.00455	-0.00608
	SS-24-M	-0.00078	-0.00438		-0.00099		-0.00111						0.00021	-0.00163
	SS-24-N	-0.0235	-0.0232		-0.0261		-0.0343						-0.0241	-0.0331
	SS-24-O (does not exist)	-	-		-		-						-	-
	SS-24-P	-	-		-		-0.00195						0.00036	-
	SS-24-Q	0.00328	0.00317		-0.00351		-0.00046						-0.0535	-0.00322
	SS-24-R	-0.0238	-0.0244		-0.0416		-0.0441						-0.0121	-0.0550
Extraction Points	EP-1	-3.4	-3.60	-3.50	-3.5	-3.25	-3.5	-3.5	-3.50	-3.2	-3.75	-3.25	-3.50	-3.25
	EP-2	-0.66	-0.65	-0.75	-0.75	-0.75	-0.65	-0.75	-0.75	-0.75	-0.5	-0.75	-0.75	-0.75
	EP-2 Stemline													
	EP-3	-1.5	-1.50	-1.50	N/A	-2.00	-2.00	-2.10	-2.0	-2.25	-2.0	-2.0	-2.15	-2.0
	EP-4	-2.5	-2.80	-2.75	-2.5	-2.50	-2.75	-2.75	-2.5	-2.5	-2.75	-2.75	-2.75	-2.5
	EP-5	-3.55	-3.80	-3.75	-3.5	N/A	-4.20	-4.10	-4.0	-4.0	-4.25	-4.15	-3.90	-3.75
	EP-6	-2.3	0.00	-2.75	-3.0	-3.00	-2.80	-3.0	-3.00	-3.0	-3.0	-3.00	-3.0	-3.0
	EP-7	-3.75	-4.00	-4.00	-3.75	-3.75	-3.85	-3.75	-3.75	-3.75	-4.0	-3.85	-3.75	-3.5
	EP-8	-2.0	-2.00	-2.00	-2.0	-2.00	-2.00	-2.0	-2.00	-2.0	-2.0	-2	-2.00	-2.0
EP-8 Stemline														
EP-8 Stemline 2														

Table 2

Summary Of Building 24 - Globe Equipment Analytical Results
South Dayton Dump and Landfill Site
Moraine, Ohio
2012-2020

Parameters	Units	ODH Non-Residential Screening Levels		IA-24-A IA-38443-031012-JC-140 3/10/2012	IA-24-A IA-38443-081112-GL-084 8/11/2012	IA-24-A IA-38443-091113-GL-004 9/11/2013	IA-24-A IA-38443-020714-JT-003 2/7/2014	IA-24-A-2014 IA-38443-120514-GL-004 12/5/2014	IA-24-B IA-38443-091113-GL-003 9/11/2013	IA-24-B IA-38443-020714-JT-005 2/7/2014	IA-24-B IA-38443-120514-GL-003 12/5/2014	IA-24-B IA-38443-022015-GL-030 12/5/2014	IA-24-B IA-38443-022015-GL-031 2/20/2015	IA-24-B SDD-IA-24B-0215 2/20/2015
		Sub-Slab Soil Gas a	Indoor Air b											
Volatile Organic Compounds														
1,1-Dichloroethane	ppbv	160	16	0.026 U	0.026 U	0.052 U	0.026 U	0.026 U	0.026 U	0.026 U	0.052 U	0.026 U	0.29 U	0.026 U
Benzene	ppbv	20	2	0.23	0.22	0.45	0.29	0.37	0.056 U	0.28	0.67	0.48	0.52	0.46
Chloroform (Trichloromethane)	ppbv	800	80	0.038 U	0.038 U	0.076 U	0.038 U	0.038 U	0.038 U	0.076 U	0.038 U	0.14 U	0.038 U	
cis-1,2-Dichloroethene	ppbv	370	37	0.060 U	0.060 U	0.12 U	0.060 U	0.060 U	0.060 U	0.060 U	0.12 U	0.060 U	0.72 U	0.060 U
Ethylbenzene	ppbv	2500	250	2.1	3.2	3.7	0.84	1.0	0.068 U	0.60	0.92	0.39	0.43	0.37
m&p-Xylenes	ppbv	2000	200	8.4	11	14	2.8	3.4	0.12 U	1.9	3.5	1.5	1.8	1.5
Naphthalene	ppbv	29	2.9	0.090 UJ	0.096 J	0.21 J	0.090 U	0.090 U	0.090 U	0.090 U	0.18 U	0.090 U	0.71 U	0.090 U
o-Xylene	ppbv	2000	200	3.9	6.4	6.1	1.4	1.3	0.061 U	0.90	1.4	0.61	0.72	0.59
Tetrachloroethene	ppbv	250	25	0.23	0.22	0.083 J	0.13 J	0.18 J	0.040 U	0.13 J	41 ^b	0.14 J	0.16	0.13 J
Trichloroethene	ppbv	20	2	0.057 J	0.053 J	0.072 U	0.048 J	0.036 U	0.036 U	0.059 J	0.072 U	0.061 J	0.14 U	0.062 J
Vinyl chloride	ppbv	20	2	0.071 U	0.071 U	0.14 U	0.071 U	0.071 U	0.071 U	0.071 U	0.14 U	0.071 U	0.14 U	0.071 U

Notes:

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

- - concentration is greater than specified criteria

Table 2

Summary Of Building 24 - Globe Equipment Analytical Results
South Dayton Dump and Landfill Site
Moraine, Ohio
2012-2020

Sample Location:	IA-24-B	IA-24-B	IA-24-B	IA-24-B											
Sample ID:	IA-38443-071615-6L-033	IA-38443-071615-6L-034	IA-38443-021116-GL-007	IA-38443-021116-GL-008	IA-38443-022217-JC-001	IA-38443-022217-JC-002	IA-38443-032218-GL-001	IA-38443-032218-GL-002	IA-38443-030119-JC-007	IA-38443-030119-JC-008	IA-38443-020620-JC-007	IA-38443-020620-JC-008			
Sample Date:	7/16/2015	7/16/2015	Duplicate	2/11/2016	2/11/2016	Duplicate	2/22/2017	2/22/2017	Duplicate	3/1/2019	3/1/2019	Duplicate	2/6/2020	2/6/2020	Duplicate
Parameters	Units														
Volatile Organic Compounds															
1,1-Dichloroethane	ppbv	0.027 U	0.026 U	0.26 U	0.47 U										
Benzene	ppbv	0.11 J	0.12 J	0.32	0.32	0.28	0.23	0.19 J	0.20	0.28	0.25	0.56 U	1.0 U		
Chloroform (Trichloromethane)	ppbv	0.040 U	0.038 U	0.038 U	0.073 J	0.038 U	0.041 J	0.038 U	0.38 U	0.69 U					
cis-1,2-Dichloroethene	ppbv	0.063 U	0.060 U	0.60 U	1.1 U										
Ethylbenzene	ppbv	0.29	0.33	0.86	0.91	1.6	1.3	0.52	0.65	2.2	2.2	0.68 U	1.2 U		
m&p-Xylenes	ppbv	0.69	0.85	3.8	4.2	6.4	5.5	1.7	2.3	11	11	1.2 U	2.2 U		
Naphthalene	ppbv	0.094 U	0.090 U	0.090 U	0.090 U	0.090 UJ	0.097 J	0.090 U	0.90 UJ	1.6 UJ					
o-Xylene	ppbv	0.29	0.35	1.7	2.0	2.5	2.1	0.75	1.0	4.3	4.4	0.61 U	1.1 U		
Tetrachloroethene	ppbv	0.042 U	0.040 U	0.11 J	0.25	0.061 J	0.066 J	0.040 U	0.040 U	0.051 J	0.051 J	33 ^b	29 ^b		
Trichloroethene	ppbv	0.038 U	0.036 U	0.057 J	0.069 J	0.036 U	0.36 U	0.65 U							
Vinyl chloride	ppbv	0.074 U	0.071 U	0.71 U	1.3 U										

Notes:

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estim:

-- Not applicable.

- concentration is greater than specified criter

Table 2

Summary Of Building 24 - Globe Equipment Analytical Results
South Dayton Dump and Landfill Site
Moraine, Ohio
2012-2020

Sample Location:	IA-24-B IA-38443-052720-GL-005 5/27/2020	IA-24-C IA-38443-031012-JC-144 3/10/2012	IA-24-C IA-38443-031012-JC-145 3/10/2012	IA-24-C IA-38443-081112-GL-087 8/11/2012	IA-24-C IA-38443-091113-GL-008 9/11/2013	IA-24-C IA-38443-020714-JT-004 2/7/2014	IA-24-C-2014 IA-38443-120514-GL-005 12/5/2014	IA-24-D IA-38443-031012-JC-148 3/10/2012	IA-24-D IA-38443-081112-GL-089 8/11/2012	IA-24-D IA-38443-091213-GL-017 9/12/2013	IA-24-D IA-38443-091213-GL-017 9/12/2013	IA-24-D IA-38443-020714-JT-002 2/7/2014	IA-24-D IA-38443-120514-GL-006 12/5/2014
Sample ID:													
Sample Date:				Duplicate									
Parameters	Units												
Volatile Organic Compounds													
1,1-Dichloroethane	ppbv	0.026 U	0.026 U	0.026 U	0.052 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U
Benzene	ppbv	0.10 J	0.24	0.25	0.37	0.33 J	0.27	0.35	0.19 J	0.24	0.42	0.27	0.35
Chloroform (Trichloromethane)	ppbv	0.038 U	0.038 U	0.038 U	0.039 J	0.076 U	0.038 U	0.038 U	0.038 U	0.079 J	0.078 J	0.038 U	0.095 J
cis-1,2-Dichloroethene	ppbv	0.060 U	0.060 U	0.060 U	0.12 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U
Ethylbenzene	ppbv	0.17 J	2.2	1.8	2.9	2.9	0.50	0.60	0.63	1.4	0.99	0.45	0.50
m&p-Xylenes	ppbv	0.61	9.6	7.4	7.9	10	1.7	2.1	2.5	3.7	3.6	1.5	1.6
Naphthalene	ppbv	0.090 U	0.090 UJ	0.090 UJ	0.13 J	0.35 J	0.090 U	0.090 U	0.090 UJ	0.090 UJ	0.13 J	0.090 U	0.12 J
o-Xylene	ppbv	0.26	4.5	3.6	3.7	3.8	0.75	0.81	1.1	1.7	1.8	0.66	0.64
Tetrachloroethene	ppbv	0.040 U	0.28	0.30	0.44	0.080 U	0.12 J	0.11 J	0.11 J	0.24	0.049 J	0.092 J	0.095 J
Trichloroethene	ppbv	0.036 U	0.071 J	0.070 J	0.12 J	0.072 U	0.064 J	0.036 U	0.15 J	0.37	0.11 J	0.085 J	0.14 J
Vinyl chloride	ppbv	0.071 U	0.071 U	0.071 U	0.071 U	0.14 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U

Notes:

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estim:

- - Not applicable.

- - concentration is greater than specified criter

Table 2

Summary Of Building 24 - Globe Equipment Analytical Results
South Dayton Dump and Landfill Site
Moraine, Ohio
2012-2020

Sample Location:	IA-24-D	IA-24-D	IA-24-D	IA-24-D	IA-24-D	IA-24-D	IA-24-E	IA-24-F	IA-24-F	IA-24-F	IA-24-F	IA-24-F	IA-24-F	
Sample ID:	IA-38443-022217-JC-003	IA-38443-032218-GL-003	IA-38443-030119-JC-009	IA-38443-020620-JC-009	IA-38443-020620-JC-009	IA-38443-052720-GL-002	IA-38443-120514-GL-008	IA-38443-031012-JC-151	IA-38443-081112-GL-094	IA-38443-091113-GL-005	IA-38443-020714-JT-006	IA-38443-120514-GL-010	IA-38443-120514-GL-007	
Sample Date:	2/22/2017	3/22/2018	3/1/2019	2/6/2020	5/27/2020		12/5/2014	3/10/2012	8/11/2012	9/11/2013	2/7/2014	12/5/2014	12/5/2014	
Parameters														
Volatile Organic Compounds														
1,1-Dichloroethane	ppbv	0.026 U	0.026 U	0.026 U	0.17 U	0.026 U	0.026 U	0.026 U	0.13 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U
Benzene	ppbv	0.25	0.19 J	0.29	0.37 U	0.10 J	0.36	0.31	0.69	0.51 J	0.24	0.36	0.31	0.31
Chloroform (Trichloromethane)	ppbv	0.059 J	0.073 J	0.038 J	0.25 U	0.043 J	0.042 J	0.038 U	0.041 J	0.19 U	0.038 U	0.038 U	0.17 J	
cis-1,2-Dichloroethene	ppbv	0.060 U	0.060 U	0.060 U	0.40 U	0.060 U	0.060 U	0.060 U	0.060 U	0.30 U	0.060 U	0.060 U	0.060 U	0.060 U
Ethylbenzene	ppbv	1.2	0.56	1.0	0.45 U	0.20	0.52	1.4	2.4	0.82 J	0.35	0.63	0.55	
m&p-Xylenes	ppbv	5.2	2.0	4.6	1.6	0.73	1.7	5.9	7.3	3.0	1.1	2.2	1.9	
Naphthalene	ppbv	0.090 UJ	0.090 U	0.090 U	0.60 UJ	0.090 U	0.095 J	0.090 UJ	0.15 J	0.45 U	0.090 U	0.090 U	0.090 U	0.090 U
o-Xylene	ppbv	1.9	0.84	1.8	0.54 J	0.29	0.68	2.7	3.1	1.2	0.45	0.87	0.75	
Tetrachloroethylene	ppbv	0.061 J	0.041 J	0.074 J	35 ^b	0.051 J	0.11 J	0.17 J	0.23	0.20 U	0.049 J	0.080 J	0.092 J	
Trichloroethylene	ppbv	0.32	0.12 J	0.11 J	0.24 U	0.036 U	0.036 U	0.15 J	0.065 J	0.18 U	0.036 U	0.036 U	0.036 U	0.036 U
Vinyl chloride	ppbv	0.071 U	0.071 U	0.071 U	0.47 U	0.071 U	0.071 U	0.071 U	0.071 U	0.36 U	0.071 U	0.071 U	0.071 U	0.071 U

Notes:

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

- - concentration is greater than specified criterion.

Table 2

Summary Of Building 24 - Globe Equipment Analytical Results
South Dayton Dump and Landfill Site
Moraine, Ohio
2012-2020

Sample Location:	OA-24	OA-24	OA-24	OA-24											
Sample ID:	SS-38443-010712-JC-028	OA-38443-031012-JC-130	OA-38443-081112-GL-091	OA-38443-081112-GL-092	OA-38443-091113-GL-006	OA-38443-020714-JT-007	OA-38443-120514-GL-009	OA-38443-021116-GL-005	OA-38443-022217-JC-004	OA-38443-032218-GL-004	OA-38443-030119-JC-006	OA-38443-022015-GL-032			
Sample Date:	1/7/2012	3/10/2012	8/11/2012	8/11/2012	9/11/2013	2/7/2014	12/5/2014	2/11/2016	2/22/2017	3/22/2018	3/1/2019	2/20/2015			
Parameters	Units														
Volatile Organic Compounds															
1,1-Dichloroethane	ppbv	0.035 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.026 U	0.026 UJJ						
Benzene	ppbv	0.16 J	0.14 J	0.071 J	0.065 J	0.38	0.25	0.36	0.33	0.25	0.18 J	0.26	0.42 J		
Chloroform (Trichloromethane)	ppbv	0.031 U	0.038 U	0.038 U	0.038 U	0.039 U	0.038 U	0.038 U	0.038 UJJ						
cis-1,2-Dichloroethene	ppbv	0.014 U	0.060 U	0.060 U	0.060 U	0.062 U	0.060 U	0.060 U	0.060 UJJ						
Ethylbenzene	ppbv	0.027 J	0.068 U	0.068 U	0.068 U	0.24	0.070 J	0.14 J	0.068 U	0.079 J	0.068 U	0.068 U	0.068 U	0.068 U	0.11 J
m&p-Xylenes	ppbv	0.059 J	0.12 U	0.12 U	0.20	0.95	0.22	0.43	0.18 J	0.28	0.12 U	0.18 J	0.34 J		
Naphthalene	ppbv	0.086 U	0.090 UJJ	0.090 UJJ	0.10 J	0.10 J	0.090 U	0.090 U	0.090 U	0.090 UJJ	0.090 U	0.090 U	0.090 U	0.090 U	0.095 J
o-Xylene	ppbv	0.022 U	0.061 U	0.061 U	0.061 U	0.35	0.084 J	0.16 J	0.068 J	0.11 J	0.061 U	0.068 J	0.13 J		
Tetrachloroethylene	ppbv	0.011 U	0.060 J	0.040 U	0.040 U	0.041 U	0.040 U	0.077 J	0.040 U	0.087 J	0.040 U	0.040 U	0.040 U	0.040 U	0.040 UJJ
Trichloroethene	ppbv	0.030 U	0.036 U	0.036 U	0.036 U	0.037 U	0.036 U	0.036 U	0.036 UJJ						
Vinyl chloride	ppbv	0.029 U	0.071 U	0.071 U	0.073 U	0.073 U	0.071 U	0.071 U	0.071 UJJ						

Notes:

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estim:

-- Not applicable.

■ - concentration is greater than specified criter

Table 2

Summary Of Building 24 - Globe Equipment Analytical Results
South Dayton Dump and Landfill Site
Moraine, Ohio
2012-2020

Sample Location:	OA-24-EP6	OA-24-EP6	OA-24	SS-24-A	SS-24-A	SS-24-A	SS-24-B	SS-24-B	SS-24-B	SS-24-B	SS-24-B	SS-24-B	
Sample ID:	OA-38443-071615-6L-031	OA-38443-020620-JC-006	OA-38443-052720-GL-006	SS-38443-010712-JC-035	SS-38443-031012-JC-141	SS-38443-081112-GL-083	SS-38443-010712-JC-041	SS-38443-031012-JC-143	SS-38443-081112-GL-085	SS-38443-091113-GL-001	SS-38443-091113-GL-002	SS-38443-120514-GL-001	
Sample Date:	7/16/2015	2/6/2020	5/27/2020	1/7/2012	3/10/2012	8/11/2012	1/7/2012	3/10/2012	8/11/2012	9/11/2013	9/11/2013	12/5/2014	
Parameters	Units												Duplicate
Volatile Organic Compounds													
1,1-Dichloroethane	ppbv	0.026 U	0.026 U	0.026 U	0.18 U	0.052 U	0.026 U	0.12 U	0.026 U	0.026 U	0.052 U	0.052 U	0.10 U
Benzene	ppbv	0.13 J	0.17 J	0.074 J	0.090 U	0.11 U	0.099 J	0.063 U	0.056 U	0.056 U	0.11 U	0.11 U	0.22 U
Chloroform (Trichloromethane)	ppbv	0.038 U	0.038 U	0.038 U	0.16 U	0.076 U	0.090 J	0.11 U	0.070 J	0.075 J	0.076 U	0.076 U	0.15 U
cis-1,2-Dichloroethene	ppbv	0.060 U	0.060 U	0.060 U	0.57 J	0.53	0.85	0.049 U	0.093 J	0.060 U	0.12 U	0.12 U	0.24 U
Ethylbenzene	ppbv	0.068 U	0.068 J	0.088 J	0.11 U	0.14 U	0.68	0.24 J	0.068 U	0.068 U	0.14 U	0.14 U	0.27 U
m&p-Xylenes	ppbv	0.19 J	0.21	0.29	0.24 U	0.24 U	2.5	0.41 J	0.12 U	0.18 J	0.24 U	0.24 U	0.48 U
Naphthalene	ppbv	0.090 U	0.090 UJ	0.090 U	0.43 U	0.18 UU	0.090 UJ	0.87 J	0.090 UJ	0.090 UJ	0.18 U	0.18 U	0.36 U
o-Xylene	ppbv	0.074 J	0.061 U	0.10 J	0.11 U	0.12 U	1.4	0.16 J	0.061 U	0.12 J	0.12 U	0.12 U	0.24 U
Tetrachloroethylene	ppbv	0.040 U	0.12 J	0.040 U	25	30	39	90	73	130	25	29	59
Trichloroethylene	ppbv	0.036 U	0.036 U	0.036 U	8.2	7.7	10	37 ^a	30 ^a	48 ^a	6.5	7.1	22 ^a
Vinyl chloride	ppbv	0.071 U	0.071 U	0.071 U	0.15 U	0.14 U	0.071 U	0.10 U	0.071 U	0.071 U	0.14 U	0.14 U	0.28 U

Notes:

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estim:

- - Not applicable.

- - - concentration is greater than specified criter

Table 2

Summary Of Building 24 - Globe Equipment Analytical Results
South Dayton Dump and Landfill Site
Moraine, Ohio
2012-2020

Sample Location:	SS-24-B	SS-24-B	SS-24-B	SS-24-B	SS-24-B	SS-24-B	SS-24-B	SS-24-B	SS-24-B	SS-24-C	SS-24-C	SS-24-C	SS-24-C
Sample ID:	SS-38443-120514-GL-002	SDD-SS-24B-0215	SS-38443-022015-GL-029	SDD-SS-24B-0715	SS-38443-071615-6L-032	SS-38443-021116-GL-006	SS-38443-052720-GL-003	SS-38443-052720-GL-004	SS-38443-010712-JC-039	SS-38443-010712-JC-040	SS-38443-031012-JC-146	SS-38443-081112-GL-086	
Sample Date:	12/5/2014	2/20/2015	2/20/2015	7/16/2015	7/16/2015	2/11/2016	5/27/2020	5/27/2020	1/7/2012	1/7/2012	3/10/2012	8/11/2012	
Parameters	Units												
Volatile Organic Compounds													
1,1-Dichloroethane	ppbv	0.10 U	0.58 U	0.026 U	0.34 U	0.052 U	0.052 U	0.026 U	0.026 U	0.035 U	0.035 U	0.026 U	0.026 U
Benzene	ppbv	0.22 U	0.29 U	0.087 J	0.44 U	0.11 U	0.11 U	0.056 U	0.056 U	0.022 J	0.049 J	0.056 U	0.056 U
Chloroform (Trichloromethane)	ppbv	0.15 U	0.28 U	0.038 U	0.28 U	0.076 U	0.076 U	0.038 U	0.038 U	0.031 U	0.031 U	0.038 U	0.038 U
cis-1,2-Dichloroethene	ppbv	0.24 U	1.4 U	0.060 U	0.35 U	0.12 U	0.12 U	0.060 U	0.060 U	0.014 U	0.014 U	0.060 U	0.060 U
Ethylbenzene	ppbv	0.27 U	0.57 U	0.18 J	0.32 U	0.14 U	0.14 U	0.13 J	0.14 J	0.022 U	0.16 J	0.068 U	0.068 U
m&p-Xylenes	ppbv	0.48 U	1.2 U	0.83 J	0.69	0.24 U	0.24 U	0.42	0.46	0.062 J	0.39 J	0.12 U	0.22
Naphthalene	ppbv	0.36 U	1.4 U	0.32 J	0.27 U	0.18 U	0.18 U	0.090 U	0.090 U	0.086 UJ	0.086 UJ	0.090 UJ	0.090 UJ
o-Xylene	ppbv	0.24 U	1.4 U	0.33	0.32 U	0.12 U	0.12 U	0.15 J	0.17 J	0.022 U	0.11 J	0.061 U	0.11 J
Tetrachloroethylene	ppbv	49	78.3	57	40	34	82	1.9	1.8	15	15	15	12
Trichloroethene	ppbv	21 ^a	33.7 ^a	23 ^a	14	9.8	26 ^a	0.24	0.24	0.99	1.1	0.87	0.63
Vinyl chloride	ppbv	0.28 U	0.29 U	0.071 U	0.54 U	0.14 U	0.14 U	0.071 U	0.071 U	0.029 U	0.029 U	0.029 U	0.071 U

Notes:

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estim:

- - Not applicable.

[red box] - concentration is greater than specified criter

Table 2

Summary Of Building 24 - Globe Equipment Analytical Results
South Dayton Dump and Landfill Site
Moraine, Ohio
2012-2020

Sample Location:	SS-24-C	SS-24-D	SS-24-D	SS-24-D	SS-24-D	SS-24-D	SS-24-E	SS-24-E	SS-24-E	SS-24-F	SS-24-F	SS-24-F
Sample ID:	SS-38443-020714-JT-001	SS-38443-010712-JC-038	SS-38443-031012-JC-149	SS-38443-081112-GL-088	SS-38443-052720-GL-001	SS-38443-010712-JC-036	SS-38443-031012-JC-150	SS-38443-081112-GL-090	SS-38443-010712-JC-037	SS-38443-031012-JC-152	SS-38443-031012-JC-152	SS-38443-081112-GL-093
Sample Date:	2/7/2014	1/7/2012	3/10/2012	8/11/2012	5/27/2020	1/7/2012	3/10/2012	8/11/2012	1/7/2012	3/10/2012	8/11/2012	
Parameters												
Units												
Volatile Organic Compounds												
1,1-Dichloroethane	ppbv	0.026 U	0.35 U	0.026 U	0.026 U	0.026 U	0.070 U	0.026 U	0.026 U	0.035 U	0.026 U	0.026 U
Benzene	ppbv	0.20	0.18 U	0.056 U	0.056 U	0.036 U	0.056 U	0.16 J	0.019 J	0.056 U	0.060 J	0.060 J
Chloroform (Trichloromethane)	ppbv	0.039 J	0.31 U	0.038 U	0.038 U	0.062 U	0.038 U	0.038 U	0.031 U	0.038 U	0.038 U	0.038 U
cis-1,2-Dichloroethene	ppbv	0.060 U	0.14 U	0.060 U	0.060 U	0.028 U	0.060 U	0.086 J	0.014 U	0.065 J	0.060 U	0.060 U
Ethylbenzene	ppbv	0.068 U	0.45 J	0.068 U	0.068 U	0.044 U	0.068 U	1.4	0.034 J	0.073 J	0.068 U	0.068 U
m&p-Xylenes	ppbv	0.13 J	1.6 J	0.34	0.17 J	0.87	0.096 U	0.12 U	4.1	0.069 J	0.24	0.12 U
Naphthalene	ppbv	0.090 U	0.86 U	0.090 UU	0.090 UU	0.17 U	0.090 UJ	0.090 UU	0.086 U	0.090 UU	0.090 UU	0.090 UU
o-Xylene	ppbv	0.061 U	0.53 J	0.11 J	0.077 J	0.24	0.044 U	0.061 U	1.1	0.022 U	0.18 J	0.061 U
Tetrachloroethylene	ppbv	13	4.1	4.7	8.5	5.6	5.4	7.3	14	0.73	0.63	2.0
Trichloroethylene	ppbv	1.1	0.30 U	0.036 U	0.036 U	0.036 U	0.060 U	0.036 U	1.2	0.11 J	0.036 U	0.10 J
Vinyl chloride	ppbv	0.071 U	0.29 U	0.071 U	0.071 U	0.071 U	0.058 U	0.071 U	0.071 U	0.029 U	0.071 U	0.071 U

Notes:

J - Estimated concentration.

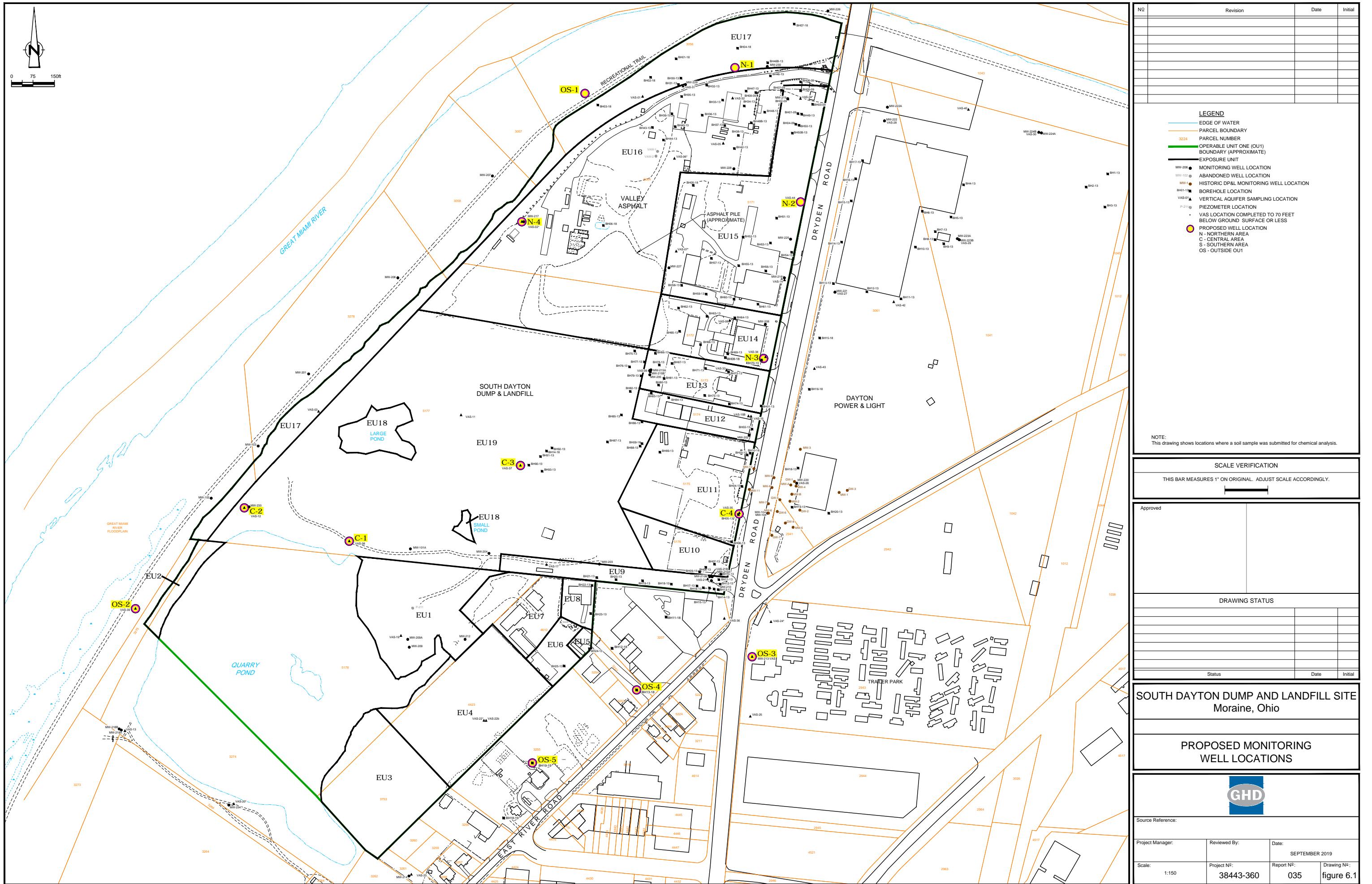
U - Not detected at the associated reporting limit.

UU - Not detected; associated reporting limit is estim:

-- Not applicable.

■ - concentration is greater than specified criter

Attachment 1



Attachment 2

